

A multichannel fiber optic module has an electromagnetic shield surrounding high frequency electrical components which is electrically and mechanically coupled to one or more guide rails near edges of a printed circuit board. The one or more guide rails of the printed circuit board include a ground trace on the top and/or bottom surfaces of the printed circuit board. The fiber optic module can be hot inserted into a module cage which has guide rail slots for mating with the guide rails of the fiber optic module. Through the guide rail slots, electromagnetic radiation from the fiber optic module is shunted to a ground plane to which the module cage is coupled on a host chassis ground. Standard singular fiber receptacles are used for the parallel data link modules to allow field cable termination.